

Headset Detector in a Device Generating Audio Signals

Abstract

A detector circuit detects whether a headset is present (inserted) in a jack by measuring the impedance between the connection points of the jack. The detector circuit further determines the headset type (e.g., whether of cellular headset, stereo headset or stereo+cellular headset) by measuring the impedance between the connection points of the jack. Power consumption may be reduced by powering down components which determine headset type if the headset is determined not to be present. Additional power reduction is attained by checking for headset removal only periodically if the headset is determined to be present.